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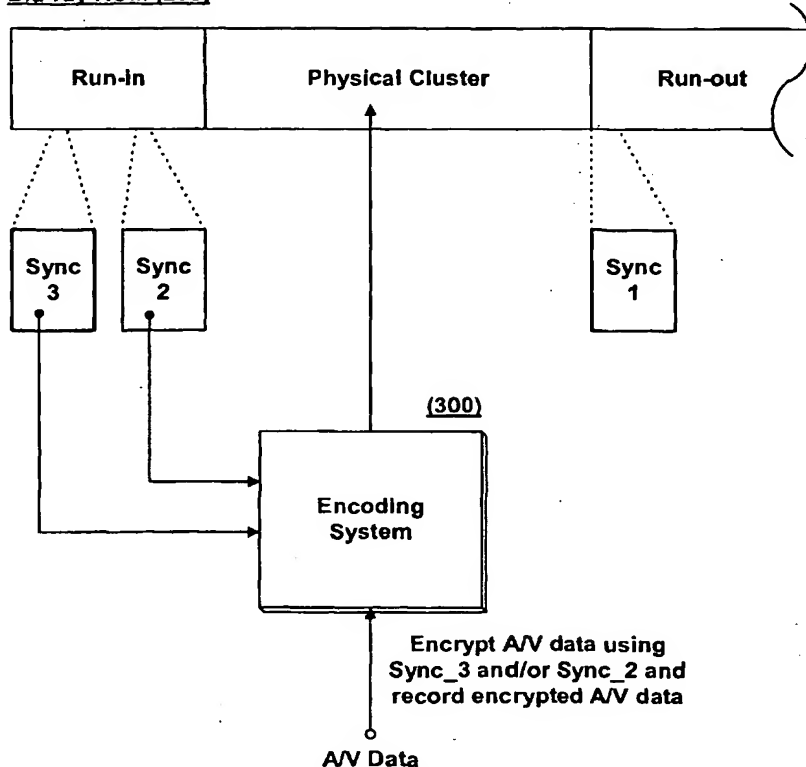
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[Continued on next page]

(54) Title: **HIGH-DENSITY OPTICAL DISC, METHOD FOR RECORDING AND REPRODUCING ENCRYPTED DATA THEREON****Blu-ray ROM (200)**

(57) Abstract: A high-density optical disc, a method for encrypting data and recording the encrypted data thereon, and a method for reproducing the encrypted data recorded thereon. Data recorded on a high-density optical disc such as a Blu-ray disc-read only memory (BD-ROM) is recorded in a discontinuous recording format as on a high-density rewritable optical disc such as a Blu-ray disc rewritable (BD-RE). Data can be encrypted and recorded using synchronous data, address unit number (AUN) information or disc radius information recorded in the high-density optical disc. An optical disc apparatus such as a BD-ROM player can maintain reproduction compatibility with the high-density rewritable optical disc such as the BD-RE. A user holding an optical disc apparatus such as a BD-RE recorder, etc. can be prevented from unlawfully copying data recorded on the high-density optical disc and reproducing the copied data.

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ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 G11B 7/00-7/24, G11B 20/00-20/24

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean patents and applications for inventions since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
WPI,PAJ"DISCONTINUOUS","FORMAT","ENCRYPTED","HIGH","DENSITY","COPY "

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 09-106625 A (VICTOR CO. OF JAPAN LTD.) 22 APRIL 1997 see abstract.	1
Y	JP 11-238305 A (SONY CORP.) 31 AUGUST 1999 see abstract.	1
Y	KR 2000-15225 A (LG ELECTRONICS INC.) 15 MARCH 2000 see abstract and claims 1-15.	1
A	JP 12-113589 A (SONY CORP.) 21 APRIL 2000 see the whole document.	
A	JP 12-195049 A (SONY CORP.) 14 JULY 2000 see the whole document.	

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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